

Patent claims

1. Use of idebenone and/or its derivatives in cosmetic or topical dermatological preparations.
2. Use according to claim 1, characterised in that the derivative of idebenone is present as hydrophilic ester.
3. Use according to claim 2, characterised in that the derivative of idebenone is present as sulphonic acid ester.
4. Use according to claim 1, characterised in that idebenone or its derivatives are esterified with hyaluronic acid and/or its derivatives.
5. Use according to claim 1 – 4, characterised in that idebenone and/or its derivatives act as anti-oxidant and/or free-radical scavenger in cosmetic or topical dermatological preparations.
6. Use according to claim 1 – 5, characterised in that idebenone and/or its derivatives act as stabiliser of vitamin A and/or its derivatives, vitamin B and/or its derivatives, vitamin C and/or its derivatives and vitamin E and/or its derivatives.
7. Use according to claim 1 to 6, characterised in that idebenone and/or its derivatives act as stabiliser of hyaluronic acid and/or its derivatives.
8. Use according to claim 1 – 7, characterised in that idebenone and/or its derivatives act as stabiliser of skin cell membranes, here in particular of mitochondrial membranes.

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9. Use according to claim 1 – 7, characterised in that idebenone and/or its derivatives support cellular respiration of the skin cells, and hence act as promoters of skin cell regeneration.
10. Use according to claim 1 – 7, characterised in that idebenone and/or its derivatives in their anti-apoptotic properties act in protective manner in cases of skin damage.
11. Use according to claim 7, characterised in that hyaluronic acid and/or its derivatives in a molecular weight of 1 – 1,000,000 are present in cosmetic or topical dermatological preparations.
12. Use according to claim 1 – 11, characterised in that idebenone and/or its derivatives are present in an effective amount in cosmetic or topical dermatological preparations.
13. Use according to claim 12, characterised in that idebenone and/or its derivatives is used for local, topical *prophylaxis* of accelerated skin aging, wrinkle formation and skin damage by UV rays in cosmetic or topical dermatological preparations.
14. Use according to claim 12, characterised in that idebenone and/or its derivatives is used for local, topical *therapy* of accelerated skin aging, wrinkle formation and skin damage by UV rays in cosmetic or topical dermatological preparations.
15. Use according to claim 1 - 14, characterised in that idebenone and/or its derivatives is present in cosmetic or topical dermatological preparations in concentrations from 0.0001 – 30 wt.%, preferably 0.05 – 5 wt.%, in particular 0.1 – 2.0 wt.%, based on the total weight of the preparations.

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